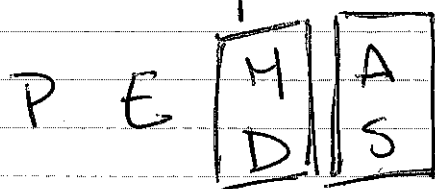


Order of Operations



work from L \rightarrow R

✓ square roots are really exponents! (E)
because $\sqrt{d} = d^{\frac{1}{2}}$

Translating Expressions

product \cdot, \times (multiply)
quotient $\div, /$ (divide)
sum $+$ (add)
difference $-$ (subtract)
"the quantity" $()$, then

* Be careful! "5 less than . . ."
the -5 goes at the end!

• Area Model

	n	-4
n	n^2	$-4n$
3	$3n$	-12

$$n^2 - 4n + 3n - 12 = \boxed{n^2 - n - 12}$$

• Find the area of each box, then add together

• Remember, multiplying by $\frac{1}{x}$ is the same as dividing by x .